



"Protecting South Florida's Water Resources for 40 Years"  
1949-1989

## South Florida Water Management District

P.O. Box 24680 • 3301 Gun Club Road • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

November 16, 1989

City of Boca Raton  
201 W. Palmetto Park Road  
Boca Raton, Florida 33432

Dear Sir or Madam:

Subject: Application No. 890925-1, Boca Raton Master storm  
Water Management Plan, Palm Beach County,  
S19,20,29,30,47/T47S/R43E



Enclosed is a copy of this District's staff report covering the permit application referenced therein. It is requested that you read this staff report thoroughly and understand its contents. The recommendations as stated in the staff report will be presented to our Governing Board for consideration on December 14, 1989.


Should you object to the staff recommendation, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed agency action. You are advised, however, to be prepared to defend your position regarding the permit application when it is considered by the Governing Board for final agency action, even if you agree with the staff recommendation, as the Governing Board may take final agency action which differs materially from the proposed agency action.

Please contact the District if you have any questions concerning this matter. If we do not hear from you prior to the date on the "Notice of Rights", we will assume you concur with our recommendations.

### CERTIFICATE OF SERVICE

I HEREBY CERTIFY THAT A "Notice of Rights" has been mailed to the addressee and the persons listed in the attached distribution list not later than 5:00 p.m. this 16th day of November 1989, in accordance with Section 120.60 (3), Florida Statutes.

Sincerely,

  
Jeanne Hall  
Director  
Regulation Department

CERTIFIED MAIL # P 297 550 235  
RETURN RECEIPT REQUESTED

#### Governing Board:

James F. Garner, Chairman - Fort Myers  
Doran A. Jason, Vice Chairman - Key Biscayne  
J.D. York - Palm City

Arsenio Milian - Miami  
Fritz Stein - Belle Glade  
Mike Stout - Windermere

Ken Adams - West Palm Beach  
Valerie Boyd - Naples  
James E. Nall - Fort Lauderdale

John R. Wodraska, Executive Director  
Tilford C. Creel, Deputy Executive Director  
Thomas K. MacVicar, Deputy Executive Director



## South Florida Water Management District NOTICE OF RIGHTS

This Notice of Rights is intended to inform the recipient of the administrative and judicial review which may be available as mandated by section 120.60(3), Florida Statutes. Be advised that although this notice is intended to be comprehensive, the review procedures set forth herein have been the subject of judicial construction and interpretation which may affect the administrative or judicial review available. Recipients are therefore advised to become familiar with Chapters 120 and 373, Florida Statutes, and the judicial interpretation of the provisions of these chapters.

1. If a substantially affected person objects to the staff's recommendation, that person has the right to request an administrative hearing on the proposed agency action. The substantially affected person may request either a formal or an informal hearing, as set forth below. Failure to comply with the prescribed time periods shall constitute a waiver of the right to a hearing.
2. If the substantially affected person believes that a genuine issue of material fact is in dispute, that person may request a formal hearing pursuant to section 120.57(1), Florida Statutes, by filing a petition for hearing not later than November 30, 1989. The request for a 120.57(1) formal hearing must comply with the requirements of rule 40E-1.521 Florida Administrative Code, a copy of which is attached. Petitions are deemed filed upon receipt by the District. Failure to substantially comply with the provisions of rule 40E-1.521 Florida Administrative Code shall constitute a waiver of the right to a 120.57(1) hearing.
3. If a substantially affected person believes that no issues of material fact are in dispute, that person may request an informal hearing pursuant to section 120.57(2), Florida Statutes, by filing a petition for hearing not later than November 30, 1989. A request for informal hearing shall be considered as a waiver of the right to request a formal section 120.57(1) hearing. A request for a section 120.57(1) formal hearing not in substantial compliance with the provisions of rule 40E-1.521 Florida Administrative Code, may be considered by the District as a request for informal hearing.
4. Pursuant to section 373.114, Florida Statutes, a party to the proceeding below may seek review of a Final Order rendered on the permit application before the Land and Water Adjudicatory Commission, as provided therein. Review under this section is initiated by filing a request for review with the Land and Water Adjudicatory Commission and serving a copy on the Department of Environmental Regulation and any person named in the Order within 20 days after rendering of the District's Order. However, when the order to be reviewed has statewide or regional significance, as determined by the Land and Water Adjudicatory Commission within 60 days after receipt of a request for review, the commission may accept a request for review from any affected person within 30 days after the rendering of the order. Review under section 373.114, Florida Statutes, is limited solely to a determination of consistency with the provisions and purposes of Chapter 373, Florida Statutes. This review is appellate in nature and limited to the record below.
5. A party who is adversely affected by final agency action on the permit application is entitled to judicial review in the District Court of Appeal pursuant to section 120.68, Florida Statutes, as provided therein. Review under section 120.68, Florida Statutes in the District Court of Appeal is initiated by filing a petition in the appropriate District Court of Appeal in accordance with Florida rule of appellate Procedure 9.110. The Notice of Appeal must be filed within 30 days of the final agency action.
6. Section 373.617(2), Florida Statutes, provides:  
Any person substantially affected by a final action of any agency with respect to a permit may seek review within 90 days of the rendering of such decision and request monetary damages and other relief in the circuit court in the judicial circuit in which the affected property is located; however, circuit court review shall be confined solely to determining whether final agency action is an unreasonable exercise of the state's police power constituting a taking without just compensation. Review of final agency action for the purpose of determining whether the action is in accordance with existing statutes or rules and based on component substantial evidence shall proceed in accordance with Chapter 120.
7. Please be advised that exhaustion of administrative remedies is generally a prerequisite to appeal to the District Court of Appeal or the seeking of Circuit Court review of final agency action by the District on the permit application. There are, however, exceptions to the exhaustion requirement. The applicant is advised to consult the case law as to the requirements of exhaustion exceptions.

### SURFACE WATER MANAGEMENT EVALUATION

APPLICATION NUMBER: 890925-1      DATE: September 25, 1989

PROJECT NAME: Boca Raton Master Storm Water Management Plan

LOCATION: Palm Beach COUNTY

SECTION 19,20,29,30,47, TOWNSHIP 47 SOUTH, RANGE 43 EAST

PROJECT AREA 215.08 ACRES      DRAINAGE AREA 215.08 ACRES

#### FACILITIES:

1. EXISTING: An existing storm sewer system serving Palmetto Park Road and associated basin which discharges to the Intracoastal Waterway.
2. PROPOSED: Conceptual approval for the City of Boca Raton's Master stormwater management system is requested for 215.08 acres of downtown consisting of residential, commercial and road right-of-way.

A system of inlets and culverts will direct runoff through 11,406 LF of exfiltration trench. Runoff from the storm sewer/exfiltration trench system will be directed to 10 separate overflow weirs (see Exhibits 6 and 7 for control structure descriptions). Each structure controls a separate sub-basin (see schematics, Exhibit 3-5) within the three major basins, Boca Raton Road, Royal Palm Road and Camino Real of the proposed improvement (see Exhibit 2). Each major basin has one outfall to the Intracoastal Waterway.

DRAINAGE BASIN Atlantic Ocean      RECEIVING BODY Intracoastal Waterway

RUN OFF FORMULA PRE vs. POST      ALLOWABLE DISCHARGE 370 CFS

REQUIRED DETENTION 13.85 AC-FT  
DETENTION METHOD Exfiltration Trench  
DETENTION PROVIDED 16.4 \* AC-FT

\* Treatment volume for the City of Boca Raton's roadways only.

#### WATER QUANTITY

- A. Allowable Discharge: The allowable discharge based on pre-development runoff for 215.08 acres of downtown Boca Raton is estimated at 370 cfs for the 25-year 3-day storm event. The calculated design discharge meets the allowable requirement. Discharge for future projects in the City of Boca Raton system will be based on 1.4 CFS/acre for the design event.

## WATER QUALITY

A. ADVERSE IMPACTS EXPECTED: NO

B. BEST MANAGEMENT PRACTICES UTILIZED: Retention provided in exfiltration trench will be provided for 2.5 inches of runoff over the impervious portions of the City of Boca Raton road right-of-ways. New individual lots will be required to provide water quality in accordance with section 3.2.2.1 OF THE SFWMD Permit Information Manual, Volume IV, Basis of Review.

## ENVIRONMENTAL

A. SIGNIFICANT ADVERSE IMPACTS EXPECTED: NO

B. COMMENTS: None

## LAND USE

PRESENT ZONING Mixed Uses

PROPOSED USE Residential  
Commercial

COMPATIBLE: YES

## APPLICABLE LAND AREA

	<u>TOTAL</u>	<u>BASINS</u>		
		<u>Boca Raton Road</u>	<u>Royal Palm Road</u>	<u>Camino Real</u>
Total	<u>215.08</u> ac;	<u>79.07</u> ac;	<u>96.24</u> ac;	<u>39.77</u> ac
Water Management (exfiltration trench)	<u>11,406</u> LF;	<u>3996</u> LF;	<u>4615</u> LF;	<u>2795</u> LF
Impervious (based on 90%)	<u>193.57</u> ac;	<u>71.16</u> ac;	<u>86.62</u> ac;	<u>35.79</u> ac
Commercial (based on 35% building coverage)	<u>75.27</u> ac;	<u>27.67</u> ac;	<u>33.68</u> ac;	<u>13.92</u> ac

ADDITIONAL COMMENTS: All new projects discharging into the City of Boca Raton's storm sewer system described in this report will have to provide adequate water quality detention volumes on-site and restrict discharge to 1.4 CFS per acre during the design event (25-year 3-day).

Note, detail plans will be retained in the permit file.

Location: West Dixie Highway, north of Camino Real and West of the Intracoastal Waterway, excluding the Boca Raton Hotel and Golf Course, Palmetto Park Road and the residential areas north of Boca Raton.

City: Boca Raton

County: Palm Beach County

Special District: N/A

SFWMD Basin: Atlantic Ocean

Operation Entity: City of Boca Raton

The Staff recommends that the following be issued:

☐ General Permit

☐ Construction and Operation Permit

☐ Construction Permit

☐ Operation Permit

☒ Letter of Conceptual Approval for 215.08 Acres of the City of Boca Raton

☐ Right-of-Way Occupancy Permit

APPLICATION REVIEWER:

SUPERVISOR/CHECKER:

TECHNICAL: Jeffrey Needle, P.E.

Edward Yaun, P.E.

WATER QUALITY: Jeffrey Needle, P.E.

Eduardo Lopez

ENVIRONMENTAL: Terrie Bates

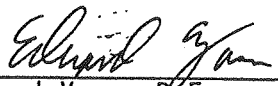
Stuart Bradow

MAJOR ISSUES:

SECONDARY ISSUES: None

Based on the information provided, District rules have been adhered to.

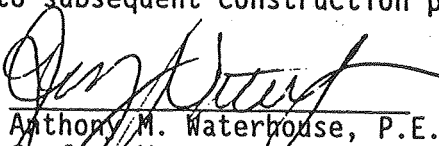
SECTION SUPERVISOR:

  
Edward Yaun, P.E.  
Supervising Professional

DATE: 11/17/89

Staff recommendation is for approval subject to the following 12 Standard Limiting and 10 Special Conditions (for conceptual approvals only, these conditions as a minimum will apply to subsequent construction permitting).

DIVISION APPROVAL:

  
Anthony M. Waterhouse, P.E.  
Surface Water Management  
Regulation Department

DATE: 11/14/89

**DRAFT**  
Subject to Governing  
Board Approval

LAST DATE FOR GOVERNING BOARD ACTION:  
December 14, 1989

**DRAFT**  
Subject to Governing  
Board Approval

SURFACE WATER MANAGEMENT STAFF REVIEW SUMMARY

APPLICATION NO.: 890925-1

PROJECT NAME: Boca Raton Master Storm Water Management Plan

LOCATION: Palm Beach County S19,20,29,30,47/T47S/R43E

APPLICANTS NAME AND ADDRESS: City Of Boca Raton  
201 W. Palmetto Park Road  
Boca Raton, FL. 33432

OWNER: City Of Boca Raton

DEVELOPER: City Of Boca Raton

ENGINEER: Keith and Schnars

REVIEWER RATING OF PROJECT DESIGN

- |  |             |             |      |                            |
|--|-------------|-------------|------|----------------------------|
| 1. Suitability of land for proposed use                              | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |
| 2. Water quantity impacts  | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |
| 3. Water quality impacts   | GOOD        | <u>FAIR</u> | POOR | NOT<br>APPLICABLE          |
| 4. Environmental impacts   | GOOD        | FAIR        | POOR | <u>NOT<br/>SIGNIFICANT</u> |
| 5. Water conservation  | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |
| 6. Flood protection  | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |
| 7. Relief from rainstorm inconvenience                               | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |
| 8. System maintainability  | GOOD        | <u>FAIR</u> | POOR | NOT<br>APPLICABLE          |
| 9. Overall use of land with respect<br>to water resource             | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |
| 10. Water management system with<br>respect to feasible alternatives | <u>GOOD</u> | FAIR        | POOR | NOT<br>APPLICABLE          |

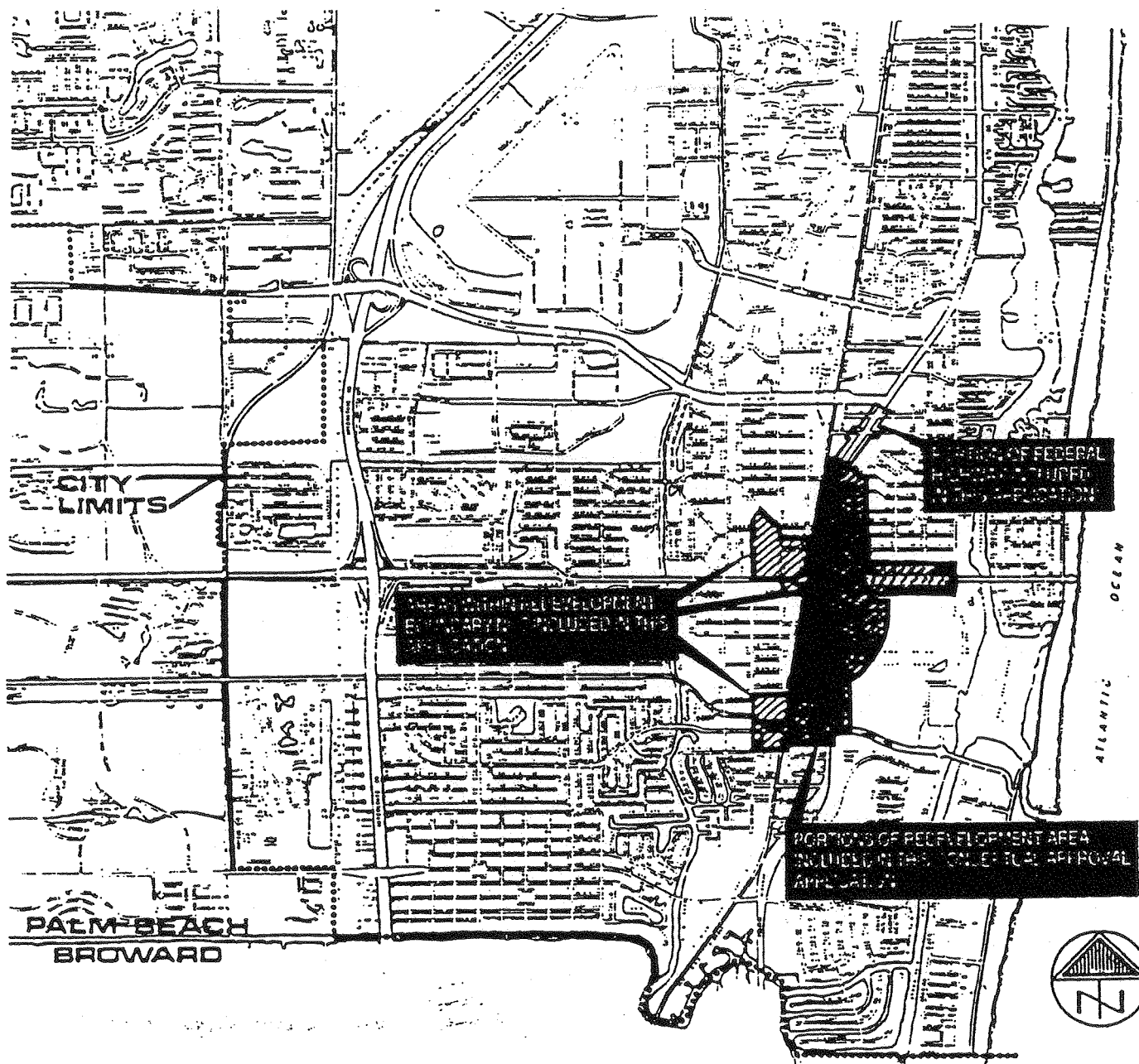
#### LIMITING CONDITIONS

1. THE PERMITTEE SHALL PROSECUTE THE WORK AUTHORIZED IN A MANNER SO AS TO MINIMIZE ANY ADVERSE IMPACT OF THE WORKS ON FISH, WILDLIFE, NATURAL ENVIRONMENTAL VALUES, AND WATER QUALITY. THE PERMITTEE SHALL INSTITUTE NECESSARY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES, TO REDUCE EROSION, TURBIDITY, NUTRIENT LOADING AND SEDIMENTATION IN THE RECEIVING WATERS.
2. WATER QUALITY DATA FOR THE WATER DISCHARGED FROM THE PERMITTEE'S PROPERTY OR INTO SURFACE WATERS OF THE STATE SHALL BE SUBMITTED TO THE DISTRICT AS REQUIRED. PARAMETERS TO BE MONITORED MAY INCLUDE THOSE LISTED IN CHAPTER 17-3. IF WATER QUALITY DATA IS REQUIRED, THE PERMITTEE SHALL PROVIDE DATA AS REQUIRED, ON VOLUMES OF WATER DISCHARGED, INCLUDING TOTAL VOLUME DISCHARGED DURING THE DAYS OF SAMPLING AND TOTAL MONTHLY DISCHARGES FROM THE PROPERTY OR INTO SURFACE WATERS OF THE STATE.
3. THE PERMITTEE SHALL COMPLY WITH ALL APPLICABLE LOCAL SUBDIVISION REGULATIONS AND OTHER LOCAL REQUIREMENTS. IN ADDITION THE PERMITTEE SHALL OBTAIN ALL NECESSARY FEDERAL, STATE, LOCAL AND SPECIAL DISTRICT AUTHORIZATIONS PRIOR TO THE START OF ANY CONSTRUCTION OR ALTERATION OF WORKS AUTHORIZED BY THIS PERMIT.
4. THE OPERATION PHASE OF THIS PERMIT SHALL NOT BECOME EFFECTIVE UNTIL A FLORIDA REGISTERED PROFESSIONAL ENGINEER CERTIFIES THAT ALL FACILITIES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN APPROVED BY THE DISTRICT. WITHIN 30 DAYS AFTER COMPLETION OF CONSTRUCTION OF THE SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE SHALL SUBMIT THE CERTIFICATION AND NOTIFY THE DISTRICT THAT THE FACILITIES ARE READY FOR INSPECTION AND APPROVAL. UPON APPROVAL OF THE COMPLETED SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE SHALL REQUEST TRANSFER OF THE PERMIT TO THE RESPONSIBLE ENTITY APPROVED BY THE DISTRICT.
5. ALL ROADS SHALL BE SET AT OR ABOVE ELEVATIONS REQUIRED BY THE APPLICABLE LOCAL GOVERNMENT FLOOD CRITERIA.
6. ALL BUILDING FLOORS SHALL BE SET AT OR ABOVE ELEVATIONS ACCEPTABLE TO THE APPLICABLE LOCAL GOVERNMENT.
7. OFF-SITE DISCHARGES DURING CONSTRUCTION AND DEVELOPMENT SHALL BE MADE ONLY THROUGH THE FACILITIES AUTHORIZED BY THIS PERMIT. NO ROADWAY OR BUILDING CONSTRUCTION SHALL COMMENCE ON-SITE UNTIL COMPLETION OF THE PERMITTED DISCHARGE STRUCTURE AND DETENTION AREAS. WATER DISCHARGED FROM THE PROJECT SHALL BE THROUGH STRUCTURES HAVING A MECHANISM SUITABLE FOR REGULATING UPSTREAM WATER STAGES. STAGES MAY BE SUBJECT TO OPERATING SCHEDULES SATISFACTORY TO THE DISTRICT.
8. NO CONSTRUCTION AUTHORIZED HEREIN SHALL COMMENCE UNTIL A RESPONSIBLE ENTITY ACCEPTABLE TO THE DISTRICT HAS BEEN ESTABLISHED AND HAS AGREED TO OPERATE AND MAINTAIN THE SYSTEM. THE ENTITY MUST BE PROVIDED WITH SUFFICIENT OWNERSHIP SO THAT IT HAS CONTROL OVER ALL WATER MANAGEMENT FACILITIES AUTHORIZED HEREIN. UPON RECEIPT OF WRITTEN EVIDENCE OF THE SATISFACTION OF THIS CONDITION, THE DISTRICT WILL ISSUE AN AUTHORIZATION TO COMMENCE CONSTRUCTION.
9. THE PERMIT DOES NOT CONVEY TO THE PERMITTEE ANY PROPERTY RIGHT NOR ANY RIGHTS OR PRIVILEGES OTHER THAN THOSE SPECIFIED IN THE PERMIT AND CHAPTER 40E-4, FAC.
10. THE PERMITTEE SHALL HOLD AND SAVE THE DISTRICT HARMLESS FROM ANY AND ALL DAMAGES, CLAIMS, OR LIABILITIES WHICH MAY ARISE BY REASON OF THE CONSTRUCTION, OPERATION, MAINTENANCE OR USE OF ANY FACILITY AUTHORIZED BY THE PERMIT.
11. THIS PERMIT IS ISSUED BASED ON THE APPLICANT'S SUBMITTED INFORMATION WHICH REASONABLY DEMONSTRATES THAT ADVERSE OFF-SITE WATER RESOURCE RELATED IMPACTS WILL NOT BE CAUSED BY THE COMPLETED PERMIT ACTIVITY. IT IS ALSO THE RESPONSIBILITY OF THE PERMITTEE TO INSURE THAT ADVERSE OFF-SITE WATER RESOURCE RELATED IMPACTS DO NOT OCCUR DURING CONSTRUCTION.
12. PRIOR TO DEWATERING, PLANS SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL. INFORMATION SHALL INCLUDE AS A MINIMUM: PUMP SIZES, LOCATIONS AND HOURS OF OPERATION FOR EACH PUMP. IF OFF-SITE DISCHARGE IS PROPOSED, OR OFF-SITE ADVERSE IMPACTS ARE EVIDENT, AN INDIVIDUAL WATER USE PERMIT MAY BE REQUIRED. THE PERMITTEE IS CAUTIONED THAT SEVERAL MONTHS MAY BE REQUIRED FOR CONSIDERATION OF THE WATER USE PERMIT APPLICATION.

### SPECIAL CONDITIONS

1. UPON APPROVAL, THE HAZARDOUS MATERIAL CONTAMINATION PREVENTION AND RESPONSE PLAN SHALL BE RECORDED IN THE PUBLIC RECORDS OF THE COUNTY. PROOF OF RECORDATION MUST BE SUBMITTED TO THE DISTRICT PRIOR TO TRANSFER OF TITLE TO A THIRD PARTY FOR ANY PORTION OF THE PERMITTED PROJECT.
2. WATER QUALITY MONITORING SHALL BE REQUIRED WITHIN THE COMMERCIAL/INDUSTRIAL ZONED PARCELS.
3. DISCHARGE FACILITIES:  
  
FOR DESCRIPTION SEE EXHIBITS 6 AND 7:  
  
RECEIVING WATER: INTRACOASTAL WATERWAY  
  
CONTROL ELEVATION: 4.0 FEET NGVD (WET SEASON WATER TABLE).
4. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY WATER QUALITY, EROSION, OR SHOALING PROBLEMS THAT RESULT FROM THE CONSTRUCTION OR OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM.
5. MEASURES SHALL BE TAKEN DURING CONSTRUCTION TO INSURE THAT SEDIMENTATION AND/OR TURBIDITY PROBLEMS ARE NOT CREATED IN THE RECEIVING WATER.
6. THE DISTRICT RESERVES THE RIGHT TO REQUIRE THAT WATER QUALITY TREATMENT METHODS BE INCORPORATED INTO THE DRAINAGE SYSTEM IF SUCH MEASURES ARE SHOWN TO BE NECESSARY.
7. OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM SHALL BE THE RESPONSIBILITY OF CITY OF BOCA RATON.
8. PRIOR TO ACCEPTING ANY RUNOFF FROM FUTURE DEVELOPMENT WITHIN THE CITY OF BOCA RATON'S MASTER STORM SEWER SYSTEM, NEW DEVELOPMENTS MUST PROVIDE WATER QUALITY TREATMENT AS STIPULATED IN SECTION 3.2.2.1 OF THE S.F.W.M.D. PERMIT INFORMATION MANUAL, VOLUME IV, BASIS OF REVIEW.
9. COMMERCIAL/INDUSTRIAL PARCELS ARE TO PROVIDE 1/2" OF DRY PRE-TREATMENT PRIOR TO DISCHARGING INTO THE CITY OF BOCA RATON'S MASTER STORM SEWER SYSTEM.
10. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OF FUTURE PHASES, PAVING, GRADING, AND DRAINAGE PLANS SHALL BE SUBMITTED TO THE DISTRICT FOR REVIEW AND APPROVAL.



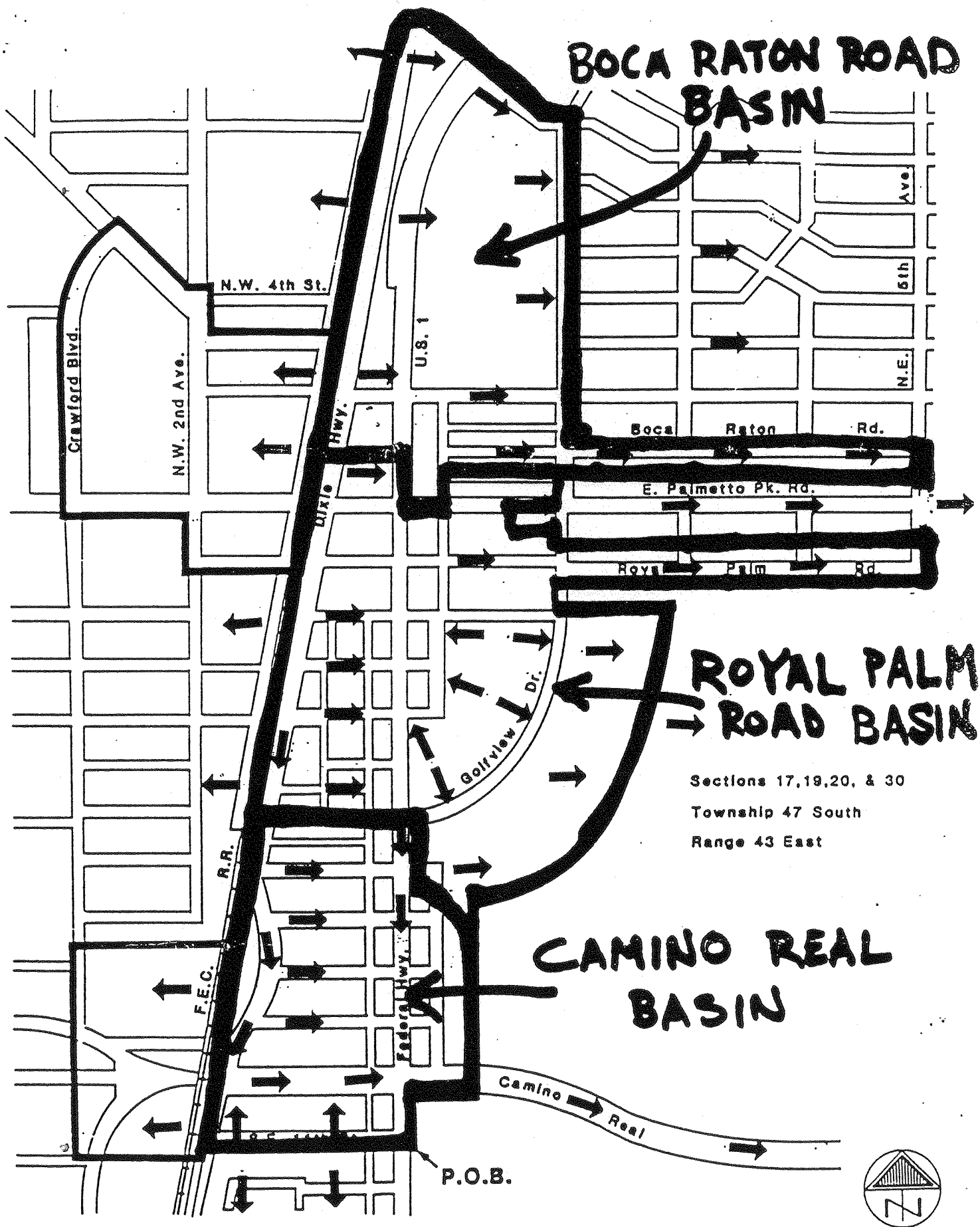


## GENERAL LOCATION

EXHIBIT 1

DOWNTOWN BOCA RATON  
BOCA RATON, FLORIDA

EXHIBIT 1



EXISTING DRAINAGE PATTERNS

EXHIBIT

EXHIBIT 1"=100' 2

# SCHEMATIC OF ROYAL PALM ROAD BASIN

PALMETTO PARK RD

ROYAL PALM RD

SE 1ST ST

SE 1ST ST

SE 2ND ST

SE 1ST AVE

SE 3RD ST

SE 4TH ST

FEDERAL HWY

SE 5TH ST

SE 6TH ST

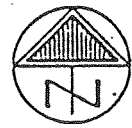
ROYAL  
PALM RD

TO OUTFALL

S-140

S-161

GOLFVIEW DRIVE



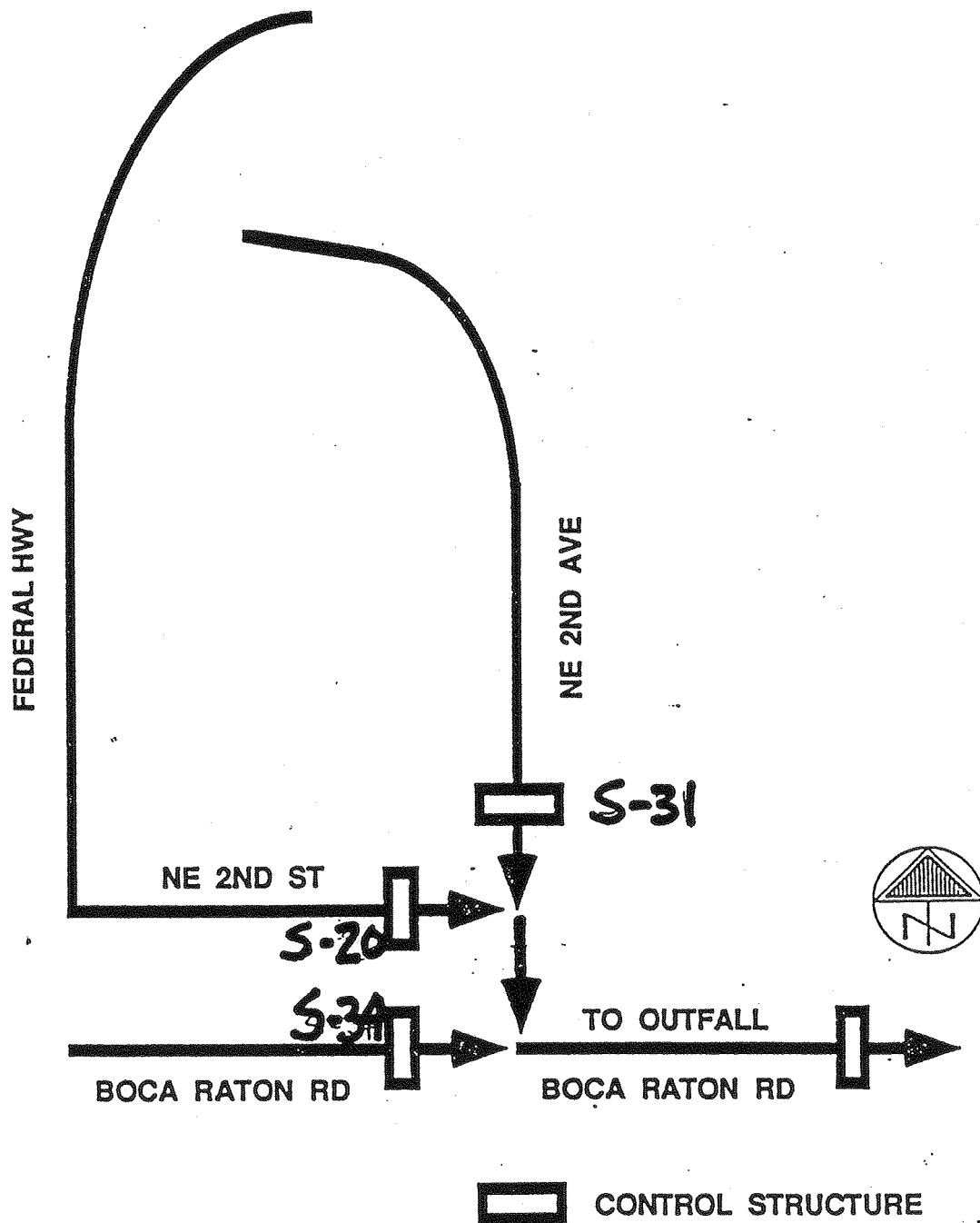
CONTROL STRUCTURE



KEITH and SCHNARS, P.A.  
ENGINEERS PLANNERS SURVEYORS

EXHIBIT 3

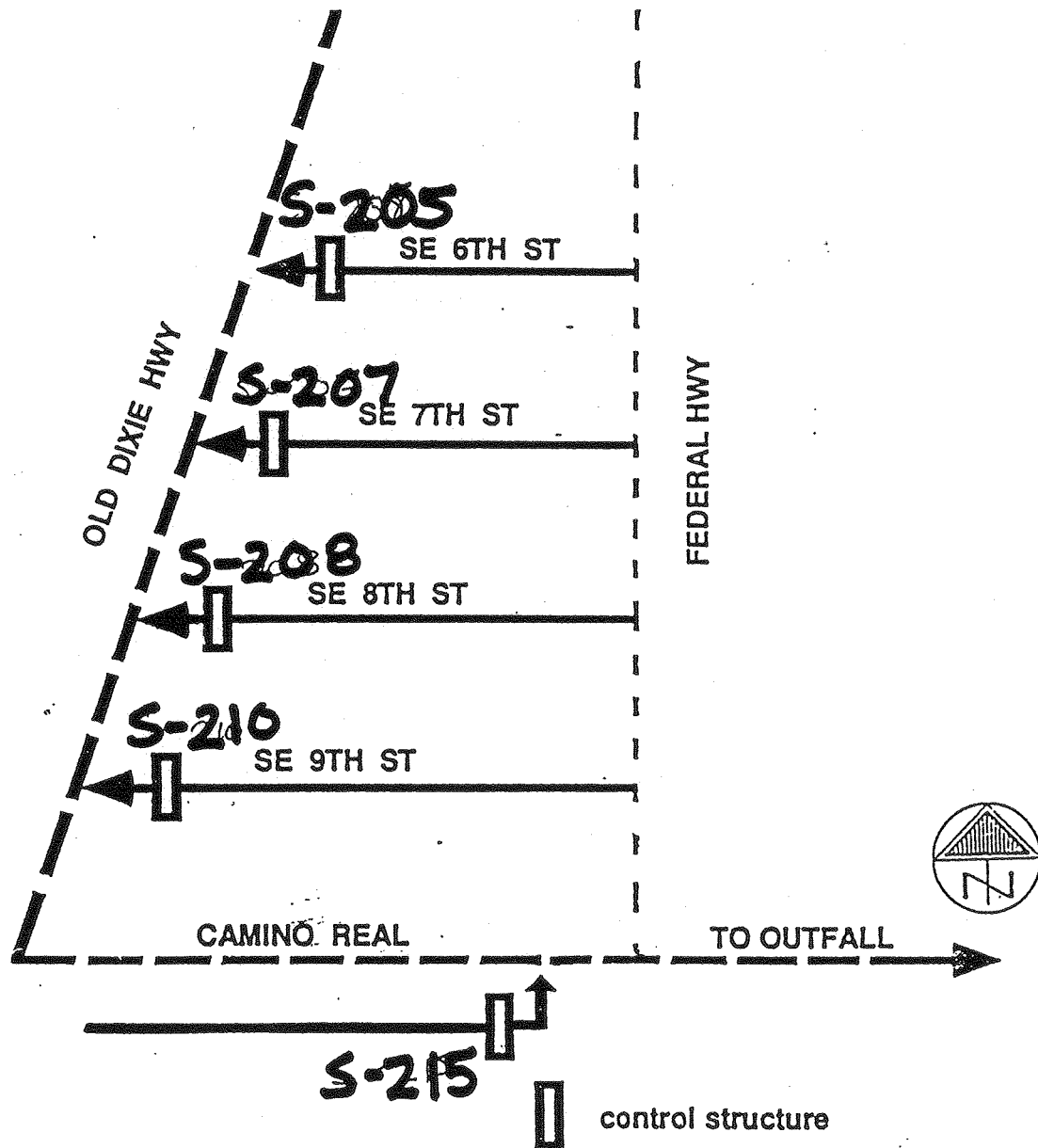
# SCHEMATIC OF BOCA RATON ROAD BASIN



KEITH and SCHNARS, P.A.  
ENGINEERS PLANNERS SURVEYORS

EXHIBIT 4

# SCHEMATIC OF CAMINO REAL BASIN

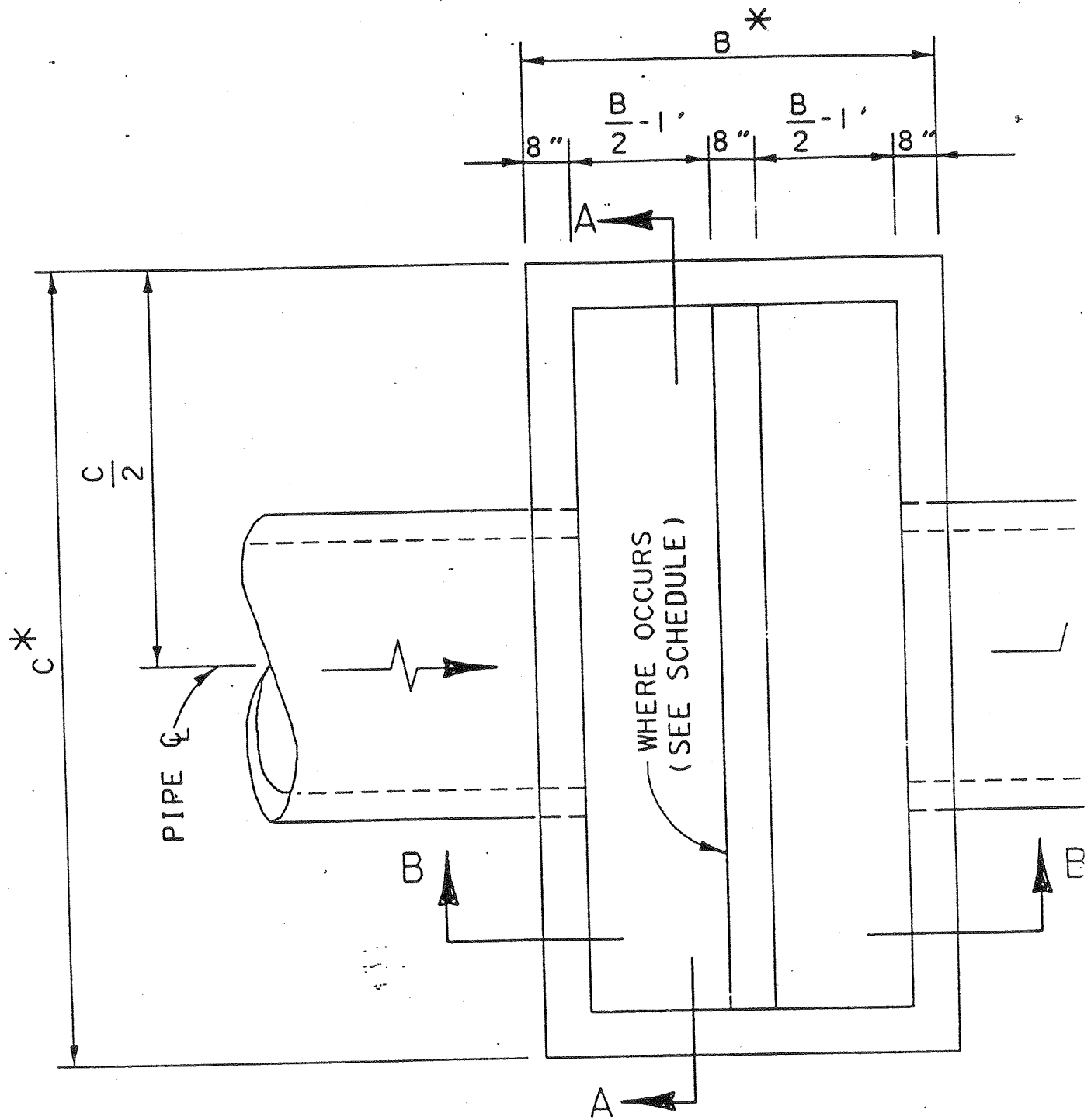


--- EXISTING SYSTEM  
— PROPOSED SYSTEM



KEITH and SCHNARS, P.A.  
ENGINEERS PLANNERS SURVEYORS

EXHIBIT 5



## SECTION C-C

\* SEE SCHEDULE

CONTROL STRUCTURE DETAIL  
(SEE EXHIBIT 7 FOR DIMENSIONS)

EXHIBIT 6

# SCHEDULE

DRAINAGE STRUCTURE NO.	DIMENSIONS				WEIR ELEV.	REMARKS
	A	B	C	D		
S-20	6'-10"	9'-0"	7'-4"	2'	6.8	BOCA RATON BASIN
S-31	15'-3"	9'-0"	7'-1"	2'	7.0	"
S-34	2'-3"	9'-0"	4'-10"	2'	11.0	"
S-140	—	9'-0"	16'-1"	2'	7.59	ROYAL PALM BASIN
S-161	—	9'-0"	4'-10"	2'	7.49	"
S-205	—	9'-0"	4'-10"	2'	11.7	CAMINO REAL BASIN
S-207	—	9'-0"	4'-10"	2'	11.0	"
S-208	—	9'-0"	4'-10"	2'	10.5	"
S-210	—	9'-0"	4'-10"	2'	10.5	"
S-215	—	9'-0"	7'-4"	2'	10.0	"

NOTE : 1. ALL CONCRETE SHALL BE 3400 PSI-CLASS II

2. FOR FLOW LINES SEE SUMMARY OF DRAINAGE  
STRUCTURE SHEETS

**RECEIVED**

NOV 03 1989

REGULATION DEPT

**PRINTED**

NOV 02 1989

**EXHIBIT 7**

## STAFF REPORT DISTRIBUTION LIST

PROJECT: Boca Raton Master Storm Water Management Plan  
APPLICATION NUMBER: 890925-1

### INTERNAL DISTRIBUTION

X Reviewer:  
Jeffrey Needle

X S. Anderson  
X S. Bradow  
D. Breckenridge  
X M. Cruz  
K. Dickson  
A. Deister  
X C. DeRojas  
C. Drew  
E. Edmundson  
J. Harvey  
J. M. Hiscock  
J. Jackson  
K. Johnson  
X S. Lamb  
P. Millar  
J. Morgan  
C. Pemble  
X P. Rhoads  
J. Show  
M. Slayton  
W. Stimmel  
X D. Thatcher  
P. Walker  
X K. Wallace  
X A. Waterhouse  
X E. Yaun  
X Area Engineer  
X Day File  
X Enforcement  
X Field Representative  
X Office of Counsel  
X Permit File

### GOVERNING BOARD MEMBERS

Ms. Valerie Boyd  
Mr. Doran A. Jason  
Mr. Arsenio Milian  
Mr. James E. Nall  
X Mr. Fritz Stein  
Mr. Mike Stout

### DEPT. OF ENVIRONMENTAL REGULATION:

Ft. Myers  
Orlando  
Port St. Lucie  
Tallahassee  
X West Palm Beach

### EXTERNAL DISTRIBUTION

X Applicant:  
City Of Boca Raton  
X Applicant's Consultant:  
Keith and Schnars  
X Engineer, County of:  
Palm Beach  
X Engineer, City of:  
Boca Raton  
Local Drainage District:

### BUILDING AND ZONING

X Boca Raton  
Boynton Beach  
Royal Palm Beach  
Tequesta  
West Palm Beach

### COUNTY

Broward -BCEQCB  
-Director, Water Mgmt. Div.  
Collier -Agricultural Agent  
Dade -DERM  
Hendry -Bd of County Comm. (C.Atkin)  
-Zoning Department  
Lee -D.O.T.  
-Long Range Planning  
-Mosquito Control  
Martin -Community Development Director  
Orange -Environmental Protection Agency  
-Public Utilities  
X Palm Beach -Building Dept.  
-Environmental Resources Mgmt.  
-Land Development Division  
-LWDD  
-School Brd., Growth Mgt. Ctr.  
Polk -Water Resources Dept.  
St. Lucie -Planning Division

### OTHER

Sierra Club  
Central Florida Group